Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
		((gate or door) same (gas and spring)) and (ald or cvd) and deposit$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/06 14:31
L1	2	"6620250".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L2	9797	118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L3	7879	137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L4	2415	141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L5	472	261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L6	2608	261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63. ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L7	7165	261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L8	12844	(ald or cvd) and deposit$3 and valve	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L9	29677	(118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07. ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1. ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102. ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:53
L10	2736	(ald or cvd) and deposit$3 and (valve same wall)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L11	444	(ald or cvd) and deposit$3 and ((valve and actuator) same wall)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45

L12	73	((gate or door) same (gas and spring)) and (ald or cvd) and deposit$3 not ((((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L13	4	((gate or door) with (gas and spring)) and (ald or cvd) not ((((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit$3 not ((((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))) or ((actuator same (gas and wall)) and (ald or cvd) and deposit$3 not ((((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit$3 not ((((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))))))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L14	70589	valve and wall and (deposit$4 or etch$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L15	7555	valve and wall and (deposit$4 or etch$4) and flush	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L16	33025	(valve and wall and (deposit$4 or etch$4)) and (wafer or substrate or article)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L17	33025	(valve and wall and (deposit$4 or etch$4)) and (wafer or substrate or article)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L18	25	(wall with "pinch valve") and deposit$3	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L19	96	(wall with "pinch valve") and (reactor or chamber or vessel or tank) not ((wall with "pinch valve") and deposit$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L20	5	"diaphragm valve".ti. and "chemical vapor deposition"	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L21	1283	((118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07. ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1. ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102. ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)) and ((((ald or cvd) and deposit$3 and (valve same wall)) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or ((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)))) or ((wall with "pinch valve") and deposit$3) or ((wall with "pinch valve") and (reactor or chamber or vessel or tank) not ((wall with "pinch valve") and deposit$3)))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45

L22	540	(valve and wall and (deposit$4 or etch$4)) and (((118/715.ccls. or 118/728. ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34. ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345. 51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1.ccls. or 261/65. ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105. ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)) and (((ald or cvd) and deposit$3 and (valve same wall)) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))) or ((wall with "pinch valve") and deposit$3) or ((wall with "pinch valve") and (reactor or chamber or vessel or tank) not ((wall with "pinch valve") and deposit$3))))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L23	0	((((gate or door) with (gas and spring)) and (ald or cvd) not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))) or ((actuator same (gas and wall)) and (ald or cvd) and deposit$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))))))) and ((valve and wall and (deposit$4 or etch$4)) and (((118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07. ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1. ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102. ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)) and (((ald or cvd) and deposit$3 and (valve same wall)) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))) or ((wall with "pinch valve") and deposit$3) or ((wall with "pinch valve") and (reactor or chamber or vessel or tank) not ((wall with "pinch valve") and deposit$3)))))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L24	2	(("4319737") or ("5002928") or ("5002928") or ("5002928")).PN.	USPAT; USOCR	OR	OFF	2005/07/24 14:45
L25	1	("5885358").PN.	USPAT; USOCR	OR	OFF	2005/07/24 14:45
L26	181	RTP.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L27	6	(("5002928") or ("5853484") or ("5002928") or ("4319737") or ("5002928") or ("5002928") or ("5002928")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/24 14:45
L28	2	us-20020129768-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45

L29	11	(("6,228,563") or ("6,333,268") or ("4,872.947") or ("5,000,113") or ("5,362, 526") or ("20030045098") or ("20020155632")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/24 14:45
L30	2	("4872947").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/24 14:45
L31	19	(("5,522,934") or ("5,620,523") or ("5,772,771") or ("6,132,552") or ("6,294, 026") or ("6,453,992") or ("5,792,272") or ("20030033980") or ("20040144310")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/24 14:45
L32	2	("5,002,928").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/24 14:45
L33	2	("5,853,484").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/24 14:45
L34	9797	118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345. 33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L35	7879	137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L37	2415	141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L38	472	261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L39	2608	261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63. ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L40	7165	261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L41	12844	(ald or cvd) and deposit$3 and valve	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L42	29677	(118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07. ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1. ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102. ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45

L43	2736	(ald or cvd) and deposit$3 and (valve same wall)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L44	444	(ald or cvd) and deposit$3 and ((valve and actuator) same wall)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L45	73	((gate or door) same (gas and spring)) and (ald or cvd) and deposit$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L46	4	((gate or door) with (gas and spring)) and (ald or cvd) not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))) or ((actuator same (gas and wall)) and (ald or cvd) and deposit$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)))))))))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L47	70589	valve and wall and (deposit$4 or etch$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L48	7555	valve and wall and (deposit$4 or etch$4) and flush	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L50	33025	(valve and wall and (deposit$4 or etch$4)) and (wafer or substrate or article)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L52	33025	(valve and wall and (deposit$4 or etch$4)) and (wafer or substrate or article)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L53	25	(wall with "pinch valve") and deposit$3	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L54	96	(wall with "pinch valve") and (reactor or chamber or vessel or tank) not ((wall with "pinch valve") and deposit$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L55	5	"diaphragm valve".ti. and "chemical vapor deposition"	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45

L56	1283	((118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07. ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1. ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102. ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)) and (((ald or cvd) and deposit$3 and (valve same wall)) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))) or ((wall with "pinch valve") and deposit$3) or ((wall with "pinch valve") and (reactor or chamber or vessel or tank) not ((wall with "pinch valve") and deposit$3)))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L57	0	((((gate or door) with (gas and spring)) and (ald or cvd) not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))) or ((actuator same (gas and wall)) and (ald or cvd) and deposit$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))))))) and ((valve and wall and (deposit$4 or etch$4)) and ((((118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07. ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1. ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102. ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)) and (((ald or cvd) and deposit$3 and (valve same wall)) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))) or ((wall with "pinch valve") and deposit$3) or ((wall with "pinch valve") and (reactor or chamber or vessel or tank) not ((wall with "pinch valve") and deposit$3)))))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L58	2	(("4319737") or ("5002928") or ("5002928") or ("5002928")).PN.	USPAT; USOCR	OR	OFF	2005/07/24 14:45
L59	1	("5885358").PN.	USPAT; USOCR	OR	OFF	2005/07/24 14:45
L60	6	(("5002928") or ("5853484") or ("5002928") or ("4319737") or ("5002928") or ("5002928") or ("5002928")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/24 14:45
L61	2	us-20020129768-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L62	11	(("6,228,563") or ("6,333,268") or ("4,872.947") or ("5,000,113") or ("5,362, 526") or ("20030045098") or ("20020155632")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/24 14:45

L63	2	("4872947").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/24 14:45
L64	19	(("5,522,934") or ("5,620,523") or ("5,772,771") or ("6,132,552") or ("6,294, 026") or ("6,453,992") or ("5,792,272") or ("20030033980") or ("20040144310")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/24 14:45
L65	2	("5,002,928").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/24 14:45
L66	181	RTP.u.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L67	540	(valve and wall and (deposit$4 or etch$4)) and (((118/715.ccls. or 118/728. ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34. ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345. 51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1.ccls. or 261/65. ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105. ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)) and (((ald or cvd) and deposit$3 and (valve same wall)) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))) or ((wall with "pinch valve") and deposit$3) or ((wall with "pinch valve") and (reactor or chamber or vessel or tank) not ((wall with "pinch valve") and deposit$3))))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L68	4	(("5951771") or ("5221449")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/24 14:45
L70	225	NGUYEN-ANH-N.in. or CHIAO-STEVE-H.in. or YUAN-XIAOXIONG.in. or LEI-LAWRENCE-CHUNG-LAI.in. or XI-MING.in. or YANG-MICHAEL-X.in. or SEUTTER-SEAN-M.in. or ITOH-TOSHIO.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45
L72	108	L70 and valve	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:45

L77	290	("20010000866" | "20010002280" | "20010009140" | "20010009695" | "20010011526" | "20010021589" | "20010024387" | "20010025979" | "20010028924" | "20010029094" | "20010029891" | "20010031562" | "20010034123" | "20010041250" | "20010042799" | "20010050039" | "20010054730" | "20010054769" | "20020000598" | "20020004293" | "20020005556" | "20020007790" | "20020008297" | "20020014647" | "20020015790" | "20020016084" | "20020019121" | "20020020869" | "20020021544" | "20020029092" | "20020037630" | "20020041931" | "20020043666" | "20020047151" | "20020048635" | "20020048880" | "20020052097" | "20020055235" | "20020061612" | "20020064970" | "20020068458" | "20020073924" | "20020074588" | "20020076481" | "20020076507" | "20020076508" | "20020076837" | "20020081826" | "20020081844" | "20020090829" | "20020093046" | "20020093781" | "20020094689" | "20020098627" | "20020104481" | "20020105088" | "20020106536" | "20020106846" | "20020109168" | "20020117399" | "20020121697" | "20020135071" | "20020144655" | "20020144657" | "20020146511" | "20020146895" | "20020151152" | "20020153579" | "20020155722" | "20020162506" | "20020164421" | "20020164423" | "20020177282" | "20020182320" | "20020187256" | "20020187631" | "20020197402" | "20030013320" | "20030015764" | "20030031807" | "20030032281" | "20030042630" | "20030049942" | "20030060057" | "20030072975" | "20030082296" | "20030082300" | "4058430" | "4389973" | "4413022" | "4486487" | "4767494" | "4806321" | "4813846" | "4829022" | "4834831").PN. OR ("4838983" | "4838993" | "4840921" | "4845049" | "4859625" | "4859627" | "4861417" | "4876218" | "4917556" | "4927670" | "4931132" | "4951601" | "4960720" | "4975252" | "4993357" | "5000113" | "5013683" | "5028565" | "5082798" | "5085885" | "5091320" | "5130269" | "5166092" | "5173474" | "5186718" | "5205077" | "5225366" | "5234561" | "5246536" | "5250148" | "5254207" | "5256244" | "5259881" | "5270247" | "5278435" | "5281274" | "5286296" | "5290609" | "5290748" | "5294286" | "5296403" | "5300186" | "5306666" | "5311055" | "5316615" | "5316793" | "5330610" | "5336324" | "5338389" | "5348911" | "5374570" | "5395791" | "5438952" | "5439876" | "5441703" | "5443033" | "5443647" | "5455072" | "5458084" | "5469806" | "5480818" | "5483919" | "5484664" | "5503875" | "5521126" | "5526244" | "5527733" | "5532511" | "5540783" | "5580380" | "5601651" | "5609689" | "5616181" | "5637530" | "5641984" | "5644128" | "5667592" | "5674786" | "5693139" | "5695564" | "5705224" | "5707880" | "5711811" | "5730801" | "5730802" | "5747113" | "5749974" | "5788447" | "5788799" | "5796116" | "5801634" | "5807792" | "5830270" | "5835677" | "5851849" | "5855675" | "5855680" | "5856219" | "5858102" | "5866213" | "5866795" | "5879459" | "5882165" | "5882413" | "5904565" | "5916365" | "5923056" | "5923985" | "5925574" | "5928389" | "5942040" | "5947710" | "5972430" | "6001669" | "6013553" | "6015590" | "6015917" | "6020243" | "6025627" | "6036773" | "6042652" | "6043177" | "6051286" | "6062798" | "6071808").PN. OR ("6084302" | "6086677" | "6110556" | "6113977" | "6117244" | "6124158" | "6130147" | "6139700" | "6140237" | "6140238" | "6143659" | "6144060" | "6158446" | "6174377" | "6174809" | "6197683" | "6200893" | "6203613" | "6206967" | "6207302" | "6207487" | "6238734" | "6248605" | "6270572" | "6271148" | "6284646" | "6287965" | "6291283" | "6291876" | "6297539" | "6299294" | "6305314" | "6306216" | "6316098" | "6333260" | "6342277" | "6348376" | "6348386" | "6355561" | "6358829" | "6368954" | "6369430" | "6372598" | "6379748" | "6391785" | "6391803" | "6395650" | "6399491" | "6416577" | "6416822" | "6420189" | "6420279" | "6423619" | "6428859" | "6447933" | "6451119" | "6451695" | "6452229" | "6458701" | "6468924" | "6475276" | "6475910" | "6482262" | "6482733" | "6482740" | "6492283" | "6511539" | "6534395" | "6548424").PN. OR ("6846516").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/24 14:46
L78	4047	9 and ((valve near/2 seat) with (chamber or reactor))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/24 14:54
L79	7	9 and ((pinch adj1 valve) with (chamber or reactor))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/24 14:58
L80	42	9 and (pinch adj1 valve) not 79	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/24 15:00

L81	747	9 and (valve with (seat and wall))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 15:01
L82	41	81 and (wafer or substrate)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 15:14
L83	2	"20030116087"	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 15:17
L84	2	"6916398".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 15:17

| L90 | 386 | ("20010000866" \| "20010002280" \| "20010009140" \| "20010009695" \| "20010011526" \| "20010013312" \| "20010014371" \| "20010024387" \| "20010025979" \| "20010028924" \| "20010029094" \| "20010031562" \| "20010034123" \| "20010041250" \| "20010042523" \| "20010042799" \| "20010054377" \| "20010054730" \| "20010054769" \| "20020000196" \| "20020000598" \| "20020004293" \| "20020007790" \| "20020019121" \| "20020020869" \| "20020021544" \| "20020031618" \| "20020037630" \| "20020041931" \| "20020048635" \| "20020048880" \| "20020052097" \| "20020055235" \| "20020060363" \| "20020061612" \| "20020066411" \| "20020068458" \| "20020073924" \| "20020076481" \| "20020076507" \| "20020076508" \| "20020076837" \| "20020086106" \| "20020086111" \| "20020086507" \| "20020090829" \| "20020092471" \| "20020094689" \| "20020098627" \| "20020104481" \| "20020105088" \| "20020106536" \| "20020106846" \| "20020108570" \| "20020109168" \| "20020117399" \| "20020121241" \| "20020121342" \| "20020127336" \| "20020127745" \| "20020134307" \| "20020144655" \| "20020144657" \| "20020146511" \| "20020155722" \| "20020162506" \| "20020164421" \| "20020164423" \| "20020177282" \| "20020182320" \| "20020187256" \| "20020197402" \| "20030004723" \| "20030010451" \| "20030013320" \| "20030019428" \| "20030023338" \| "20030031807" \| "20030042630" \| "20030049931" \| "20030049942" \| "20030053799" \| "20030057526" \| "20030057527" \| "20030059538" \| "20030072913" \| "20030072975" \| "20030075273" \| "20030075925" \| "20030079686" \| "20030082296" \| "20030082301" \| "20030082307").PN. OR ("20030089308" \| "20030101927" \| "20030104126" \| "20030106490" \| "20030108674" \| "20030113187" \| "20030116087" \| "20030121469" \| "20030121608" \| "20030124262" \| "20030129826" \| "20030134508" \| "20030140854" \| "20030143747" \| "20030143839" \| "20030153177" \| "20030168750" \| "20030172872" \| "20030173586" \| "20030186495" \| "20030190423" \| "20030190804" \| "20030194493" \| "20030198754" \| "20030205729" \| "20030213560" \| "20030213987" \| "20030216981" \| "20030221780" \| "20030224107" \| "20030224578" \| "20030224600" \| "20040009307" \| "20040011404" \| "20040011504" \| "20040013577" \| "20040014320" \| "20040015300" \| "20040018304" \| "20040018723" \| "20040018747" \| "20040033698" \| "20040046197" \| "3291456" \| "4058430" \| "4389973" \| "4413022" \| "4486487" \| "4614639" \| "4732110" \| "4761269" \| "4767494" \| "4806321" \| "4813846" \| "4829022" \| "4834831" \| "4838983" \| "4838993" \| "4840921" \| "4845049" \| "4859625" \| "4859627" \| "4861417" \| "4876218" \| "4907534" \| "4917556" \| "4927670" \| "4931132" \| "4951601" \| "4960720" \| "4975252" \| "4987856" \| "4991542" \| "4993357" \| "5000113" \| "5013683" \| "5028565" \| "5082798" \| "5085885" \| "5085887" \| "5091320" \| "5130269" \| "5134965" \| "5166092" \| "5173474" \| "5186718" \| "5204145" \| "5205077" \| "5221449" \| "5224513" \| "5225366" \| "5234561" \| "5246536" \| "5250148" \| "5254207" \| "5256244" \| "5259881" \| "5261959" \| "5264038" \| "5270247" \| "5278435" \| "5281274" \| "5281485" \| "5286296" \| "5290748" \| "5294286" \| "5296403" \| "5300186" \| "5306666" \| "5311055").PN. OR ("5316615" \| "5316793" \| "5330610" \| "5336324" \| "5338362" \| "5338363" \| "5338364" \| "5338389" \| "5348911" \| "5374570" \| "5395791" \| "5438952" \| "5439876" \| "5441703" \| "5443033" \| "5443647" \| "5455072" \| "5458084" \| "5469806" \| "5480818" \| "5483919" \| "5484664" \| "5496410" \| "5503875" \| "5521126" \| "5527733" \| "5532511" \| "5540783" \| "5542452" \| "5573566" \| "5580380" \| "5601651" \| "5609689" \| "5616181" \| "5637530" \| "5641984" \| "5643366" \| "5644128" \| "5667592" \| "5674786" \| "5693139" \| "5695564" \| "5705224" \| "5707880" \| "5711811" \| "5730801" \| "5730802" \| "5747113" \| "5749974" \| "5788447" \| "5788799" \| "5796116" \| "5801634" \| "5804488" \| "5807792" \| "5830270" \| "5835677" \| "5838677" \| "5846330" \| "5851849" \| "5855675" \| "5855680" \| "5856219" \| "5858102" \| "5866213" \| "5866795" \| "5879459" \| "5882165" \| "5882413" \| "5888303" \| "5904565" \| "5916365" \| "5919332" \| "5923056" \| "5923985" \| "5925574" \| "5928389" \| "5942040" \| "5947710" \| "5951771" \| "5972430" \| "5996528" \| "6001267" \| "6001669" \| "6015917" \| "6025627" \| "6036773" \| "6042652" \| "6043177" \| "6051286" \| "6062798" \| "6066358" \| "6071808" \| "6084302" \| "6086677" \| "6110556" \| "6113977" \| "6117244" \| "6124158" \| "6130147" \| "6139700" \| "6140237" \| "6140238" \| "6143077" \| "6143659" \| "6144060" \| "6158446" \| "6174377" \| "6174809" \| "6179920" \| "6183563" \| "6197683" \| "6200893" \| "6203613" \| "6206967" \| "6207302" \| "6207487" \| "6218298" \| "6231672" \| "6248605" \| "6270572" \| "6271148" \| "6284646" \| "6287965").PN. OR ("6291876" \| "6302965" \| "6305314" \| "6306216" \| "6316098" \| "6333260" \| "6334983" \| "6335280" \| "6342277" \| "6348376" \| "6355561" \| "6358829" \| "6368954" \| "6369430" \| "6372598" \| "6379748" \| "6391785" \| "6399491" \| "6416577" \| "6416822" \| "6420189" \| "6423619" \| "6428859" \| "6436193" \| "6447607" \| "6447933" \| "6451119" \| "6451695" \| "6468924" \| "6475276" \| "6475910" \| "6478872" \| "6481945" \| "6482262" \| "6482733" \| "6482740" \| "6511539" \| "6534133" \| "6534395" \| "6551406" \| "6551929" \| "6569501" \| "6572705" \| "6575705" \| "6578287" \| "6579372" \| "6585823" \| "6596602" \| "6599572" \| "6607976" \| "6620723" \| "6630030" \| "6630201" \| "6632279" \| "6660126" \| "6686271" \| "6778762").PN. OR ("6916398").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/24 15:36 |

L91	1	"6056823".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/24 15:27
L92	16	("118"/$.ccls. or "156"/$.ccls.) and (wafer or substrate) and microvalve and (chamber or reactor or vessel)	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/24 16:06
L93	7	("118"/$.ccls. or "156"/$.ccls.) and (wafer or substrate) and (conical adj1 valve) and (chamber or reactor or vessel)	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/24 16:09
L94	0	("118"/$.ccls. or "156"/$.ccls.) and (wafer or substrate) and (connical adj1 valve) and (chamber or reactor or vessel)	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/24 16:09
L95	34	("118"/$.ccls. or "156"/$.ccls.) and (wafer or substrate) and (conical with valve) and (chamber or reactor or vessel)	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/24 16:09
L96	27	("3730134" | "4157931" | "4201149" | "4519846" | "4640846" | "4889069" | "5009185" | "5234499").PN. OR ("5439519").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/24 16:19
L97	2	("20030119328").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/24 16:20
L98	2	("5225366").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/24 16:20
S1	132	RTP.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/05/25 10:55
S2	8628	118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345. 33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/24 14:27
S3	8034	137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/07 12:45
S4	2262	141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/07 12:45
S5	456	261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/07 12:45
S6	2572	261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63. ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/07 12:45
S7	7023	261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/07 12:45
S8	8968	(ald or cvd) and deposit$3 and valve	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/07 12:46

S9	28323	(118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07. ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1. ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102. ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/07 12:46
S10	1890	(ald or cvd) and deposit$3 and (valve same wall)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/07 12:46
S11	231	(ald or cvd) and deposit$3 and ((valve and actuator) same wall)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	QR	ON	2003/11/07 12:46
S12	0	((gate or door) with (gas and spring)) and (ald or cvd) not ((((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))) or ((actuator same (gas and wall)) and (ald or cvd) and deposit$3 not ((((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)))))))))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/06 14:31
S13	0	valve and wall and (deposit$4 or etch$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/06 14:31
S14	0	valve and wall and (deposit$4 or etch$4) and flush	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/06 14:31
S15	0	(valve and wall and (deposit$4 or etch$4)) and (wafer or substrate or article)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/06 14:31
S16	0	(valve and wall and (deposit$4 or etch$4)) and (wafer or substrate or article)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/06 14:31
S17	0	(wall with "pinch valve") and deposit$3	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/06 14:31
S18	0	(wall with "pinch valve") and (reactor or chamber or vessel or tank) not ((wall with "pinch valve") and deposit$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/06 14:31
S19	0	"diaphragm valve".ti. and "chemical vapor deposition"	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/06 14:32

S20	0	((118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07. ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1. ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102. ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)) and (((ald or cvd) and deposit$3 and (valve same wall)) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))) or ((wall with "pinch valve") and deposit$3) or ((wall with "pinch valve") and (reactor or chamber or vessel or tank) not ((wall with "pinch valve") and deposit$3)))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/06 14:32
S21	0	(valve and wall and (deposit$4 or etch$4)) and (((118/715.ccls. or 118/728. ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34. ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345. 51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1. or 261/65. ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105. ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)) and (((ald or cvd) and deposit$3 and (valve same wall)) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))) or ((wall with "pinch valve") and deposit$3) or ((wall with "pinch valve") and (reactor or chamber or vessel or tank) not ((wall with "pinch valve") and deposit$3))))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/06 14:33
S22	0	(((gate or door) with (gas and spring)) and (ald or cvd) not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)))))) or ((actuator same (gas and wall)) and (ald or cvd) and deposit$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)))))))))) and ((valve and wall and (deposit$4 or etch$4)) and (((118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07. ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1. ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102. ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)) and (((ald or cvd) and deposit$3 and (valve same wall)) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))) or ((wall with "pinch valve") and deposit$3) or ((wall with "pinch valve") and (reactor or chamber or vessel or tank) not ((wall with "pinch valve") and deposit$3)))))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2003/11/06 14:34
S23	0	(("4319737") or ("5002928") or ("5002928") or ("5002928")).PN.	USPAT; USOCR	OR	OFF	2003/11/06 14:51
S24	0	("5885358").PN.	USPAT; USOCR	OR	OFF	2003/11/06 14:51

S25	6	(("5002928") or ("5853484") or ("5002928") or ("4319737") or ("5002928") or ("5002928") or ("5002928")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/12/15 14:55
S26	2	us-20020129768-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2004/12/15 13:25
S27	11	(("6,228,563") or ("6,333,268") or ("4,872.947") or ("5,000,113") or ("5,362,526") or ("20030045098") or ("20020155632")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/12/15 14:56
S28	2	("4872947").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/12/15 14:57
S29	19	(("5,522,934") or ("5,620,523") or ("5,772,771") or ("6,132,552") or ("6,294,026") or ("6,453,992") or ("5,792,272") or ("20030033980") or ("20040144310")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2004/12/15 14:57
S30	2	("5,002,928").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/19 13:27
S31	2	("5,853,484").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/19 13:27
S32	9791	118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S33	7879	137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S34	2414	141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S35	472	261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S36	2608	261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S37	7165	261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S38	12740	(ald or cvd) and deposit$3 and valve	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38

S39	29670	(118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07. ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1. ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102. ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S40	2683	(ald or cvd) and deposit$3 and (valve same wall)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S41	393	(ald or cvd) and deposit$3 and ((valve and actuator) same wall)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S42	73	((gate or door) same (gas and spring)) and (ald or cvd) and deposit$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S43	4	((gate or door) with (gas and spring)) and (ald or cvd) not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))) or ((actuator same (gas and wall)) and (ald or cvd) and deposit$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))))))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S44	70431	valve and wall and (deposit$4 or etch$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S45	7496	valve and wall and (deposit$4 or etch$4) and flush	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S46	32898	(valve and wall and (deposit$4 or etch$4)) and (wafer or substrate or article)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S47	32898	(valve and wall and (deposit$4 or etch$4)) and (wafer or substrate or article)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S48	25	(wall with "pinch valve") and deposit$3	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S49	96	(wall with "pinch valve") and (reactor or chamber or vessel or tank) not ((wall with "pinch valve") and deposit$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38

S50	5	"diaphragm valve".ti. and "chemical vapor deposition"	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S51	1282	(((118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)) and (((ald or cvd) and deposit$3 and (valve same wall)) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))) or ((wall with "pinch valve") and deposit$3) or ((wall with "pinch valve") and (reactor or chamber or vessel or tank) not ((wall with "pinch valve") and deposit$3)))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S52	540	(valve and wall and (deposit$4 or etch$4)) and (((118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)) and (((ald or cvd) and deposit$3 and (valve same wall)) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))) or ((wall with "pinch valve") and deposit$3) or ((wall with "pinch valve") and (reactor or chamber or vessel or tank) not ((wall with "pinch valve") and deposit$3))))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:59
S53	0	((((gate or door) with (gas and spring)) and (ald or cvd) not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))) or ((actuator same (gas and wall)) and (ald or cvd) and deposit$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)))))))))) and ((valve and wall and (deposit$4 or etch$4)) and (((118/715.ccls. or 118/728.ccls. or 118/50.ccls. or 156/345.29.ccls. or 156/345.33.ccls. or 156/345.34.ccls. or 156/345.35.ccls. or 156/345.36.ccls. or 156/345.26.ccls. or 156/345.51.ccls.) or (137/262-264.ccls. or 137/454.2 or 137/560.ccls. or 137/561r.ccls. or 137/561a.ccls. or 137/571-576.ccls. or 137/590.ccls. or 137/594-596.ccls. or 137/599.01.ccls. or 137/599.05-599.07.ccls. or 137/602.ccls.) or (141/285-286.ccls. or 141/37.ccls. or 141/44-47.ccls. or 141/54.ccls. or 141/301-302.ccls. or 141/367.ccls.) or (261/127.ccls. or 261/131.ccls. or 261/146-147.ccls. or 261/150.ccls.) or (261/19-22.ccls. or 261/23.1.ccls. or 261/40.ccls. or 261/42.ccls. or 261/62-63.ccls.) or (261/64.1.ccls. or 261/65.ccls. or 261/75-76.ccls. or 261/94-96.ccls. or 261/100-102.ccls. or 261/105.ccls. or 261/108-109.ccls. or 261/113.ccls. or 261/114.1.ccls.)) and (((ald or cvd) and deposit$3 and (valve same wall)) or (((gate or door) same (gas and spring)) and (ald or cvd) and deposit$3 not (((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.)) or (((ald or cvd) and deposit$3 and ((valve and actuator) same wall)) not ((valve same actuator) and (118/715.ccls. or 156/345.33.ccls.))))) or ((wall with "pinch valve") and deposit$3) or ((wall with "pinch valve") and (reactor or chamber or vessel or tank) not ((wall with "pinch valve") and deposit$3)))))	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38

S54	2	(("4319737") or ("5002928") or ("5002928") or ("5002928")).PN.	USPAT; USOCR	OR	OFF	2005/07/19 13:38
S55	1	("5885358").PN.	USPAT; USOCR	OR	OFF	2005/07/19 13:38
S56	180	RTP.ti.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S57	6	(("5002928") or ("5853484") or ("5002928") or ("4319737") or ("5002928") or ("5002928") or ("5002928")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/19 13:38
S58	2	us-20020129768-$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 13:38
S59	11	(("6,228,563") or ("6,333,268") or ("4,872,947") or ("5,000,113") or ("5,362, 526") or ("20030045098") or ("20020155632")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/19 13:38
S60	2	("4872947").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/19 13:38
S61	19	(("5,522,934") or ("5,620,523") or ("5,772,771") or ("6,132,552") or ("6,294, 026") or ("6,453,992") or ("5,792,272") or ("20030033980") or ("20040144310")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/19 13:38
S62	2	("5,002,928").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/19 13:38
S63	4	(("5951771") or ("5221449")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	OFF	2005/07/19 14:00
S64	225	NGUYEN-ANH-N.in. or CHIAO-STEVE-H.in. or YUAN-XIAOXIONG.in. or LEI-LAWRENCE-CHUNG-LAI.in. or XI-MING.in. or YANG-MICHAEL-X.in. or SEUTTER-SEAN-M.in. or ITOH-TOSHIO.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 14:02
S65	108	S64 and valve	US-PGPUB; USPAT; EPO; JPO; DERWENT ; IBM_TDB	OR	ON	2005/07/19 14:03

| S66 | 290 | ("20010000866" \| "20010002280" \| "20010009140" \| "20010009695" \| "20010011526" \| "20010021589" \| "20010024387" \| "20010025979" \| "20010028924" \| "20010029094" \| "20010029891" \| "20010031562" \| "20010034123" \| "20010041250" \| "20010042799" \| "20010050039" \| "20010054730" \| "20010054769" \| "20020000598" \| "20020004293" \| "20020005556" \| "20020007790" \| "20020008297" \| "20020014647" \| "20020015790" \| "20020016084" \| "20020019121" \| "20020020869" \| "20020021544" \| "20020029092" \| "20020037630" \| "20020041931" \| "20020043666" \| "20020047151" \| "20020048635" \| "20020048880" \| "20020052097" \| "20020055235" \| "20020061612" \| "20020064970" \| "20020068458" \| "20020073924" \| "20020074588" \| "20020076481" \| "20020076507" \| "20020076508" \| "20020076837" \| "20020081826" \| "20020081844" \| "20020090829" \| "20020093046" \| "20020093781" \| "20020094689" \| "20020098627" \| "20020104481" \| "20020105088" \| "20020106536" \| "20020106846" \| "20020109168" \| "20020117399" \| "20020121697" \| "20020135071" \| "20020144655" \| "20020144657" \| "20020146511" \| "20020146895" \| "20020151152" \| "20020153579" \| "20020155722" \| "20020162506" \| "20020164421" \| "20020164423" \| "20020177282" \| "20020182320" \| "20020187256" \| "20020187631" \| "20020197402" \| "20030013320" \| "20030015764" \| "20030031807" \| "20030032281" \| "20030042630" \| "20030049942" \| "20030060057" \| "20030072975" \| "20030082296" \| "20030082300" \| "4058430" \| "4389973" \| "4413022" \| "4486487" \| "4767494" \| "4806321" \| "4813846" \| "4829022" \| "4834831").PN. OR ("4838983" \| "4838993" \| "4840921" \| "4845049" \| "4859625" \| "4859627" \| "4861417" \| "4876218" \| "4917556" \| "4927670" \| "4931132" \| "4951601" \| "4960720" \| "4975252" \| "4993357" \| "5000113" \| "5013683" \| "5028565" \| "5082798" \| "5085885" \| "5091320" \| "5130269" \| "5166092" \| "5173474" \| "5186718" \| "5205077" \| "5225366" \| "5234561" \| "5246536" \| "5250148" \| "5254207" \| "5256244" \| "5259881" \| "5270247" \| "5278435" \| "5281274" \| "5286296" \| "5290609" \| "5290748" \| "5294286" \| "5296403" \| "5300186" \| "5306666" \| "5311055" \| "5316615" \| "5316793" \| "5330610" \| "5336324" \| "5338389" \| "5348911" \| "5374570" \| "5395791" \| "5438952" \| "5439876" \| "5441703" \| "5443033" \| "5443647" \| "5455072" \| "5458084" \| "5469806" \| "5480818" \| "5483919" \| "5484664" \| "5503875" \| "5521126" \| "5526244" \| "5527733" \| "5532511" \| "5540783" \| "5580380" \| "5601651" \| "5609689" \| "5616181" \| "5637530" \| "5641984" \| "5644128" \| "5667592" \| "5674786" \| "5693139" \| "5695564" \| "5705224" \| "5707880" \| "5711811" \| "5730801" \| "5730802" \| "5747113" \| "5749974" \| "5788447" \| "5788799" \| "5796116" \| "5801634" \| "5807792" \| "5830270" \| "5835677" \| "5851849" \| "5855675" \| "5855680" \| "5856219" \| "5858102" \| "5866213" \| "5866795" \| "5879459" \| "5882165" \| "5882413" \| "5904565" \| "5916365" \| "5923056" \| "5923985" \| "5925574" \| "5928389" \| "5942040" \| "5947710" \| "5972430" \| "6001669" \| "6013553" \| "6015590" \| "6015917" \| "6020243" \| "6025627" \| "6036773" \| "6042652" \| "6043177" \| "6051286" \| "6062798" \| "6071808").PN. OR ("6084302" \| "6086677" \| "6110556" \| "6113977" \| "6117244" \| "6124158" \| "6130147" \| "6139700" \| "6140237" \| "6140238" \| "6143659" \| "6144060" \| "6158446" \| "6174377" \| "6174809" \| "6197683" \| "6200893" \| "6203613" \| "6206967" \| "6207302" \| "6207487" \| "6238734" \| "6248605" \| "6270572" \| "6271148" \| "6284646" \| "6287965" \| "6291283" \| "6291876" \| "6297539" \| "6299294" \| "6305314" \| "6306216" \| "6316098" \| "6333260" \| "6342277" \| "6348376" \| "6348386" \| "6355561" \| "6358829" \| "6368954" \| "6369430" \| "6372598" \| "6379748" \| "6391785" \| "6391803" \| "6395650" \| "6399491" \| "6416577" \| "6416822" \| "6420189" \| "6420279" \| "6423619" \| "6428859" \| "6447933" \| "6451119" \| "6451695" \| "6452229" \| "6458701" \| "6468924" \| "6475276" \| "6475910" \| "6482262" \| "6482733" \| "6482740" \| "6492283" \| "6511539" \| "6534395" \| "6548424").PN. OR ("6846516").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2005/07/19 14:47 |